

Announcement and Call for Paper

COSPAR Colloquium-Mutagenetic Consequences of the Space Environment

July 23-25, 2006, Xi'an, China



Over the past decades, a great amount of various types of plant seeds have been carried by Chinese satellites to study the mutation effective of outer space for producing new plant breeds. Advanced molecular techniques have also been applied to analyze the genetic and genomic alteration in these mutants in recent years. Moreover, numerous experiments have been conducted by scientists all over the world to determine the effects of the space radiation and the microgravity environment in the induction of mutations. The Colloquium will provide a forum for scientists in the plant mutation community to exchange their scientific information with scientists specialized in mutations in other living organisms induced by space flight or by ground-based space like radiation. Therefore, the goal of the proposed Colloquium is to help revealing the common mechanisms underlying the mutations in space in all living organisms. The Colloquium has been scheduled for 2006, in conjunction with the COSPAR main assembly, as the majority of scientists in the space radiation community around the world will be gathering in China by then.

Location

This colloquium will be held in SHANGRILA GOLDEN FLOWER HOTEL, Xi'an, China.



Main Topics

- ✧ Space-flight induced mutagenesis in plants
- ✧ Mutations in cultured cells and microorganisms after space flight
- ✧ Evident biological effects of space radiation in humans
- ✧ Effects of microgravity/altered gravity on the repair of DNA damage
- ✧ Mutagenetic research using accelerator-based charged particles
- ✧ Planned accelerator facilities for space radiation studies in East Asia

Committees

➤ Scientific committee

Prof. Marco DURANTE, University of Naples Federico II, Italy
Prof. Eleanor A. BLAKELY, Lawrence Berkeley National Laboratory, USA
Prof. Marco CASOLINO, University of Rome Tor Vergata, Italy
Prof. Francis A. CUCINOTTA, NASA Johnson Space Center, USA
Prof. Yoshiya FURUSAWA, NIRS, Japan
Prof. Steve GONDA, NASA Johnson Space Center, USA
Prof. Tom K. HEI, Columbia University, USA
Prof. Gerda HORNECK, DLR, Germany

Prof. Eugene KRASAVIN, JINR, Russia
Prof. Yinghui LI, Institute of Space Medico-Engineering, Beijing
Prof. Yu LI, Harbin Institute of Technology, China
Prof. Mantong MEI, Huannan Agriculture University, China
Prof. Gregory NELSON, Loma Linda University Medical Center, USA
Prof. Takeo OHNISHI, Nara Medical University, Japan
Prof. Yeqing SUN, Harbin Institute of Technology, China
Prof. Honglu WU, NASA Johnson Space Center, USA
Prof. Jianlong XU, Chinese Academy of Agricultural Sciences, China
Prof. Zengliang YU, Chinese Academic of Sciences, China

➤ **Organizing Committee**

Prof. Yeqing SUN, Chair, Harbin Institute of Technology, China
Prof. Marco DURANTE, Co-chair, University of Naples Federico II, Italy
Prof. Honglu WU, Co-Chair, NASA Johnson Space Center, USA

➤ **Local Organizing Committee**

Yeqing SUN, Chairperson, Dalian Maritime University & Harbin Institute of Technology, China
Ning GONG, Administrator, Dalian Maritime University, China
Zhenlong CHENG, Administrator, Harbin Institute of Technology, China
Ping XIN, Administrator, Harbin Institute of Technology, China
Ming LIU, Administrator, Dalian Maritime University, China

Financial Support

Investigators in the U.S. may apply for limited financial support from University Space Research Association/NASA to cover the registration fee and part of the travel expenses from Beijing to Xi'an. Please contact Dr. Honglu Wu (honglu.wu-1@nasa.gov) for more information.

Instructions for submission of abstracts

It is planned to issue a book of abstracts. To have your contribution included in the program of the Conference and in the book of abstracts, we kindly ask you to submit the abstracts to the Organizing Committee before **February 17, 2006**. The abstracts must be prepared in English in Microsoft Word and submitted by email to **cospar06@dlmu.edu.cn**. The length of the abstracts must not exceed 1 page and the standard COSPAR format should be followed (see example below).

Example:

How to submit an abstract

A. Aman (1), B. Bman (2)

(1) Copernicus Meeting Office, Germany, (2) Copernicus IT Office, Germany
(cop.meetings@copernicus.org / Phone: +49-5556-91099)

This abstract is an example of how to submit an abstract. It shows the way from the compilation via the online submission to the final uploaded pdf file.

Call for papers

Proceedings of this COSPAR Colloquium will be published after the meeting, as per norm, by Elsevier as an issue of "Advance in Space Research" and also published electronically by Elsevier

through ScienceDirect. If you want your paper considered for publication in the proceedings, please bring the manuscript in both the paper and electronic formats to the Colloquium.

Important Deadlines

Date	EVENT
17 February 2006	Receipt of Abstracts
15 May 2006	Registration
30 June 2006	Hotel Reservation

Invitation Letter

Information for visa invitation is included in the registration form. If you need the invitation letter, please send back your registration form as soon as possible.

Registration fee

Registration fee is fixed as \$150 for participants, as well as \$50 for both students and accompanying persons.

Social Program

During the Meeting, participants and accompanying persons will have the opportunity to participate in one day sightseeing tours. Xi'an will surprise you with her beauty, history, culture and social life.



Further Information

A registration form and detailed information about the scientific and social programs, and hotel accommodation will be included in our website at <http://cospar2006.hit.edu.cn/> which will be updated regularly. Daily flights are available between Beijing and Xi'an. Please contact the Local Organizing Committee (cospar06@dlmu.edu.cn) for specific requests if your travel agency is unable to help. More travel information will be posted on the Colloquium website.



Address of Local Organizing Committee

Institute of Environmental Systems Biology
College of Environmental Science and Engineering
Dalian Maritime University
Add. Room 133-5, Science & laboratory Building
1 Linghai Road, Dalian, 116026, P.R.China
Tel. 0086 411 8472 3633
Fax: 0086 411 8472 5675
E-mail: cospar06@dlmu.edu.cn
<http://cospar2006.hit.edu.cn/>